



**DigiEduHack Solution  
Berlin - DigiEduHack 2020  
Challenge: Berlin - Building Bridges -  
Digital, International & Sustainable  
Challenge 2020**

## **Campus' Digital Energy Lab (CDEL)**

### **Challenges**

Universities have to act sustainably in multi-domains, in addition to its Primarily functions as educational and research institutions ,but also Universities Community outreach,Universities extra cluciam activities and Universities as living labs.So a digital platform is needed!

### **Team: Campus' Digital Energy Lab (CDEL)**

#### **Team members**

Samar Adel Mohamed Alarif

#### **Contact details**

a.igelmann@tu-berlin.de

# Solution Details

## Solution description

Open Digital Management Platform that acts as the digital twine of the campus/living lab, which enables educational campuses to foster sustainability and promotes its innovation ecosystem.

## Solution context

An Open cloud innovative platform created by the Utilization of BIM and sensing/smart technologies in campus Energy Performance assessment and operation, within the surrounding urban context (district or region).

## Solution target group

Universities Campuses which acts as CLiving labs.

The Open platform is accessible to all campus actors and users including suppliers, campus facility management units, students, researchers and citizens, communities, entrepreneurs, and creates added value for all key actors in this process.

## Solution impact

## Solution tweet text

Open Digital Management Platform that acts as the digital twine of the campus/living lab, which enables educational campuses to foster sustainability and promotes its innovation ecosystem.

## Solution innovativeness

Digital living lab,fostring technolgies like BIM,Smart metering and sensing for educatioal perpose.

## Solution transferability

Numbers of clouds created for other domains like sustainable biodiversity,smart water management ,sustainable mobility,..etc

Numbers of platforms created for other university campus globally

Number of platforms created to manage smart districts or cities

## **Solution sustainability**

Numbers of partners who find the platform deserve their support and fund.

Numbers of external Business users who will pay subscription fees

Numbers of advertise customers who will pay for advertising and marketing their green products or systems through the cloud

## **Solution team work**

Please check the ppt file

-IT & SOFTWARE ENGINEER

-IT Energy ENGINEER

-GIS-SPECIALIST

-WEB DEVELOPER

-APP DEVELOPER

digieiduhack.com